Welding and Oxygen Cutting of Metal

1. **Process Identification:**
   Check the process which is used at the facility in the application. Check both processes if both are present.

2. **Welding:**

A. **Submerged Arc:**

a. *Number of welding stations*
Fill in the number of submerged arc welding stations included in this application. Do not include any other type of welding or stations that have been previously permitted.

b. *Type of electrode used*
Fill in the classification of the weld wire, or alternately, the diameter and composition of the wire. Include the percentage of manganese, nickel, chromium, cadmium, and cobalt in the wire.

c. *Maximum Hourly Electrode Consumption per Station*
Fill in the maximum weight of wire that can be consumed in an hour by the welding stations. If the welding stations have varying capacities, copy this form and fill out the capacity of each station.

B. **Metal Inert Gas (MIG):**

a. *Number of welding stations*
Fill in the number of MIG welding stations included in this application. Do not include any other type of welding or stations that have been previously permitted.

b. *Type of electrode used*
Fill in the classification of the weld wire, or alternately, the diameter and composition of the wire. Include the percentage of manganese, nickel, chromium, cadmium, and cobalt in the wire.

c. *Maximum Hourly Electrode Consumption per Station*
Fill in the maximum weight of wire that can be consumed in an hour by the welding stations. If the welding stations have varying capacities, copy this form and fill out the capacity of each station.

C. **Stick Welding:**

a. *Number of welding stations*
Fill in the number of stick welding stations included in this application. Do not include any other type of welding or stations that have been previously permitted.

b. *Type of electrode used*
Fill in the classification of the electrodes for example, E6010.

c. *Number of electrodes*
Fill in the number of electrodes per hour at the maximum rate.

d. *Weight of electrodes*
Fill in the heaviest electrodes being utilized.

D. **Tungsten Inert Gas (TIG):**

a. *Number of welding stations*
Fill in the number of TIG welding stations included in this application. Do not include any other type of welding or stations that have been previously permitted.

b. *Maximum Hourly Amount of metal melted per Station*
Fill in the maximum base metal melted per station expressed in pounds per hour. This can be calculated by multiplying width of bead by penetration by line speed by density of metal.

E. **Oxyacetylene Welding:**

a. *Number of welding stations*
Fill in the number of oxyacetylene welding stations included in this application. Do not include any other type of welding or stations that have been previously permitted.

b. *Maximum Hourly Amount of metal melted per Station*
Fill in the maximum deposition metal melted per station expressed in pounds per hour. This can be calculated by multiplying the width of bead by penetration by the line speed by the density of metal.

3. **Cutting:**

A. *Check type of flame-cutting:*
Check the type or types used at the facility referenced in the application. Do not include any previously permitted, registered, or exempted burning equipment. If multiple types are utilized check as necessary. If a process other than oxyacetylene or oxymethane is used for flame-cutting, please describe the process.

B. *State Maximum Metal Thickness Cut: inches*
Self-explanatory. It is very important to state the maximum thickness cut as this will be specified on the permit, registration, or exemption letter that is issued as a result of this application.

C. *State Maximum Metal Cutting Rate: inches per minute*
Self-explanatory. It is very important to state the maximum cutting rate as this will be specified on the permit, registration, or exemption letter that is issued as a result of this application.